

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20030157499"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:05
L2	1	EP adj "1322782"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 12:00
L3	2	"20040023209"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 12:06
L4	2	"20040185457"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 12:06
L5	3	"20040175709"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:22
L6	2	WO adj "2006010948"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:24
L7	3	"20040175709"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:25
L8	0	WO "02090586"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:26
L9	0	WO adj "02090586"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:26

EAST Search History

L10	0	WO adj "2002090586"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:26
L11	0	WO adj "20020090586"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:26
L12	0	WO20020090586	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:26
L13	0	WO2002090586	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:26
L14	0	WO02090586	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:27
L15	0	PCT/US1998/011457.pct.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:28
L16	2	Wo adj "9855653"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:57
L17	27	polymerase same luciferase same. primer same temperature	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	AND	ON	2007/11/18 13:57


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PCR luciferase luciferin temperature

- 2003

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All Results[M Ronaghi](#)[B Gharizadeh](#)[P Nyren](#)[M Mittag](#)[A Ahmadian](#)

Evidence for rapid consumption of millimolar concentrations of cytoplasmic ATP during rigor- ... - all 5 versions »

I Allue, O Gandelman, E Dementieva, N Ugarova, P ... - Biochem. J, 1996 - biochemj.org
 ... Ca 2+] i , cytoplasmic free Ca 2+ concentration; 2-DOG, 2-deoxyglucose; **PCr**, phosphocreatine; pH i ... **D-Luciferin**, firefly **luciferase** (from Photinus ...
 Cited by 22 - [Related Articles](#) - [Cached](#) - [Web Search](#) - [BL Direct](#)

Role of F 1 F 0-ATPase in the growth of Streptococcus mutans GS 5 - all 4 versions »

T Suzuki, J Tagami, N Hanada - Journal of Applied Microbiology, 2000 - Blackwell Synergy
 ... **PCR** products, and S. mutans chromosomal DNA and plasmids ... was incubated for 2 h at room **temperature**. ... by means of the firefly **luciferase-luciferin** reaction (Toyo ...
 Cited by 11 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Regulation of epidermal homeostasis through P2Y 2 receptors - all 3 versions »

CJ Dixon, WB Bowler, A Littlewood-Evans, JP Dillon ... - British Journal of Pharmacology, 1999 - nature.com
 ... **PCR** reactions were carried out using a 50 l reaction volume as described ... 10, BSA 0.2%; pH 7.2) containing 10 g ml -1 firefly **luciferase** and 10 M **luciferin**. ...
 Cited by 36 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

A genetic reporter of thermal stress defines physiologic zones over a defined **temperature** range - all 4 versions »

CE O'CONNELL-RODWELL, D SHRIVER, DM SIMANOVSKII, C ... - The FASEB Journal, 585 - FASEB
 ... 100 µL medium, placed in 0.2 mL **PCR** strip tubes ... camera after addition of the substrate **luciferin** (30 µg ... Peaks in **luciferase** activity are observed following a ...
 Cited by 9 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

The structure and organization of the **luciferase** gene in the photosynthetic dinoflagellate Gonyaulax ... - all 8 versions »

L Li, J Woodland Hastings - Plant Molecular Biology, 1998 - Springer
 ... biolumines- cence, the Gonyaulax enzyme **luciferase** (LCF), its ... **luciferin** [16], and a **luciferin**- binding protein ... **PCR** reactions were performed with either a Coy ...
 Cited by 17 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Luminometry and **PCR**-based monitoring of gene-tagged cyanobacteria in Baltic Sea microcosms - all 4 versions »

E FEMS - FEMS Microbiology Letters, 1995 - Blackwell Synergy
 ... PM coenzyme A, 470 PM **luciferin**, 530 PM ATP ... we corrected for quenching, the **luciferase** extraction efficiency ... Both luminometry and **PCR** amplification were used to ...
 Cited by 4 - [Related Articles](#) - [Web Search](#)

Real-time imaging of TRAIL-induced apoptosis of glioma tumors in vivo - all 4 versions »

K Shah, Y Tang, X Breakefield, R Weissleder - Oncogene, 2003 - nature.com
 ... the cDNA sequence encoding eGFP was amplified by **PCR** using the ... Cells were incubated with 150 g/ml **D-luciferin** and assayed for **luciferase** activity using ...
 Cited by 42 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

Direct in vivo gene transfer to urological organs - all 4 versions »

JJ Yoo, S Soker, LF Lin, K Mehegan, PD Guthrie, A ... - J Urol, 1999 - jurology.com
 ... and reverse transcriptase (RT) polymerase chain reaction (**PCR**) studies. **Luciferase** activity assay ... M. coenzyme A (lithium salt), 470 micro M. **luciferin** and 530 ...


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PCR luciferase luciferin cycle

- 2003

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All Results[M Ronaghi](#)[B Gharizadeh](#)[P Nyren](#)[A Ahmadian](#)[J Hastings](#)**Molecular Imaging of the Skeleton: Quantitative Real-Time Bioluminescence Monitoring****Gene Expression ...** - all 5 versions »I BAR, Y ZILBERMAN, E ZEIRA, E GALUN, A HONIGMAN, ... - Journal of Bone and Mineral Research, 2003
- Am Soc Bone Min Res... Five-month-old transgenic mice were injected with **luciferin** and monitored for externally ... (C) Detection of the **luciferase**-encoding gene by real-time **PCR**. ...Cited by 19 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Specific monitoring by PCR amplification and bioluminescence of firefly luciferase gene-tagged ...** - all 4 versions »

FM Ecology - FEMS Microbiology Ecology, 1994 - Blackwell Synergy

... compared bioluminescence and **PCR** methods for detection of the firefly **luciferase** gene marker ... buffer consisting of 1 mM beetle **luciferin** (Promega) in ...Cited by 16 - [Related Articles](#) - [Web Search](#)**... gene expression during potato tuber development in individuals and populations using the luciferase ...** - all 5 versions »

J Verhees, AR van der Krol, D Vreugdenhil, LHW van ... - Plant Molecular Biology, 2002 - Springer

... During RT-**PCR**, samples were taken (10 µl) after 18, 20, 22 ... The presence of **luciferin** (1 mM) in the medium, needed to monitor **luciferase** expression, did ...Cited by 3 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Bioluminescent PCR-RFLP Enzyme-Linked Immunosorbent Assay for Analysis of Vitamin D Receptor Gene ...** - all 3 versions »

H ARAKAWA, A KOKADO, S YOSHIZAWA, M MAEDA, A ... - Analytical Sciences, 1999 - J-STAGE

... Fig. 1 **PCR cycle** conditions ... and the products are digested with restriction enzyme after **PCR**. ... AK which can be detected by the firefly **luciferin-luciferase** system ...Cited by 4 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Simple and rapid bioluminescent detection of two verotoxin genes using allelespecific PCR of E. coli ...** - all 2 versions »

O Imamura, H Arakawa, M Maeda - Luminescence, 2003 - doi.wiley.com

... The 25-cycle protocol was determined to be ... we confirmed that allele-specific **PCR** products can ... and rapidly by the firefly **luciferase-luciferin** reaction follow ...Cited by 3 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Intracellular ATP measured with luciferin/luciferase in isolated single mouse skeletal muscle fibres** - all 3 versions »

D Allen, J Lännergren, H Westerblad - Pflügers Archiv European Journal of Physiology, 2002 - Springer

... there is a large fall in **PCR** and large ... 1 Effect of cyanide and iodoacetate on **luciferin/luciferase** light emission ... with DNFB using a higher duty cycle the mean ...Cited by 6 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)**Mutation detection by pyrosequencing: sequencing of exons 5-8 of the p53 tumor suppressor gene** - all 4 versions »

CA Garcia, A Ahmadian, B Gharizadeh, J Lundeberg, ... - Gene, 2000 - Elsevier

... The primed **PCR** product was added to the pyrosequencing ... MO, USA), 0.2 µg purified **luciferase** (BioThema, Dalarö ... 000), and 100 µg/ml **-luciferin** (BioThema) in a ...Cited by 49 - [Related Articles](#) - [Web Search](#)


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[B Biochem](#)

[P Nyren](#)

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[J Bader](#)

[I Craig](#)

[Simple and rapid bioluminescent detection of two verotoxin genes using allele-specific PCR of E. coli ... - all 2 versions »](#)

O Imamura, H Arakawa, M Maeda - Luminescence, 2003 - doi.wiley.com

... L). (B) Effect of ATP-sulphurylase on BL ... we confirmed that allele-specific PCR products can be ... and rapidly by the firefly luciferase-luciferin reaction follow ...

Cited by 3 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

[METHOD FOR DETECTING DNA POLYMERISATION - all 4 versions »](#)

JAH MURRAY, LC TISI - 2002 - freepatentsonline.com

... U/ml ATP Sulphurylase " 100 mg/ml D-luciferin Europa 5.5 ... 10.sup.8 light units Photinus pyralis luciferase Promega 1 mM ... used in a standard 50 .mu.l PCR reaction ...

Cached - [Web Search](#)

[Method of sequencing DNA based on the detection of the release of pyrophosphate and enzymatic ... - all 3 versions »](#)

P Nyren - US Patent 6,258,568, 2001 - Google Patents

... 130-base-long single-stranded PCR product hybridized ... Luciferin-luciferase reactions to detect the release of PPI ... on the enzymes ATP sulphurylase and luciferase ...

Cited by 7 - [Related Articles](#) - [Web Search](#)

[\[PDF\] Direct analysis of single-nucleotide polymorphism on double-stranded DNA by pyrosequencing - all 9 versions »](#)

BA Biochem - Biotechnol. Appl. Biochem, 2000 - bab.portlandpress.com

... Primed PCR product (10 µl; see above) was added to the ... Louis, MO, USA), 100 ng of purified luciferase (BioThema, Dalara ... and 100 µg/ml of D-luciferin (BioThema ...

Cited by 37 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[METHOD OF SEQUENCING DNA - all 4 versions »](#)

P NYREN, M Ronaghi, A Tallsjo - 1998 - freepatentsonline.com

... template remaining is 211 bp.) The primed PCR product was ... Mo., USA), 0.8 .mu.g purified luciferase (BioThema, Dalara ... and 100 .mu.g/ml D-luciferin (BioThema) in ...

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[Linkage of ulcerative colitis to the pericentromeric region of chromosome 16 in Italian inflammatory ... - all 4 versions »](#)

V Annese, A Latiano, O Palmieri, HH Li, P ... - Journal of Medical Genetics, 2003 - BMJ

... PCR products (2 µl) were analysed on a 3 ... DNA polymerase, apyrase, luciferase, adenosine triphosphate sulphurylase, adenosine 5'-phosphosulphate and luciferin. ...

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[DNA Pooling: a tool for large-scale association studies - all 13 versions »](#)

P Sham, JS Bader, I Craig, MO'Donovan, M Owen - Nature Reviews Genetics, 2002 - cbi.pku.edu.cn

... Box 1 | Primer extension PCR In panel a, aC/G ... is added to the primer. This ATP drives the luciferase-mediated conversion of luciferin to oxyluciferin ...

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[METHOD FOR IDENTIFYING MICROORGANISMS BASED ON SEQUENCING GENE FRAGMENTS - all 2 versions »](#)

J JONASSON - 2001 - freepatentsonline.com

... case of ELIDA, will be ATP sulphurylase and luciferase ... generation of light by the


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[P Sham](#)
[J Bader](#)
[I Craig](#)
[M O'Donovan](#)

Method of sequencing DNA based on the detection of the release of pyrophosphate and enzymatic ... - all 3 versions »

P Nyren - US Patent 6,258,568, 2001 - Google Patents

... nucleotide (deoxy- or dideoxy), polymerase, **luciferin**, APS, ATP ... detected by **luciferase**-based reactions eg ELIDA, this 10 ... used, for example in vitro by **PCR** or ...

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METHOD OF SEQUENCING DNA - all 4 versions »

P NYREN, M Ronaghi, A Tallsjo - 1998 - freepatentsonline.com

... template remaining is 211 bp.) The primed **PCR** product was ... Mo., USA), 0.8 .mu.g purified **luciferase** (BioThema, Dalaro ... and 100 .mu.g/ml D-**luciferin** (BioThema) in ...

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P Sham, JS Bader, I Craig, MO'Donovan, M Owen - Nature Reviews Genetics, 2002 - cbi.pku.edu.cn

... Box 1 | Primer extension **PCR** In panel a ,aC/G ... is added to the primer.This ATP drives the **luciferase**-mediated conversion of **luciferin** to oxyluciferin ...

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J JONASSON - 2001 - freepatentsonline.com

... case of ELIDA, will be ATP **sulphurylase** and **luciferase** ... generation of light by the **luciferin-luciferase** system resulting ... **PCR** amplification was carried out in a ...

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Method of assessing the amount of nucleic acid in a sample - all 2 versions »

J Lundeberg, M Ronaghi - 2003 - freepatentsonline.com

... of the probe occurs during **PCR** cycling. ... of the enzymes **luciferase** and ATP **sulphurylase**, and particularly ... of light by the **luciferin-luciferase** system resulting ...

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A review of DNA sequencing techniques - all 3 versions »

LTC França, E Carrilho, TBL Kist - Quarterly Reviews of Biophysics, 2002 - Cambridge Univ Press

... were obtained directly from the **PCR** products; secondly ... this latest improvement, performing **cycle**-sequencing with ... in a single microchip could **decrease** costs and ...

Cited by 20 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

METHOD OF NUCLEIC ACID TYPING OR SEQUENCING - all 2 versions »

M RONAGHI, B EKSTROEM, N POURMAND - EP Patent 1,322,782, 2003 - freepatentsonline.com

... can be amplified in a single **PCR** reaction ... case of ELIDA, will be ATP **sulphurylase** and **luciferase** ... generation of light by the **luciferin-luciferase** system resulting ...

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L1	5	S	POLYMERASE(P) LUCIFERASE(P) PRIMER(P) CYCLE
L2	3	S	POLYMERASE(P) LUCIFERASE(P) LUCIFERIN(P) PRIMER
L3	183	S	POLYMERASE(P) LUCIFERASE(P) PRIMER
L4	5	S	L3(P) CYCLE
L5	0	S	L3 AND ((CLOSED(W) TUBE) OR (SINGLE(W) TUBE))
L6	0	S	L3 AND (CLOSED(W) TUBE)

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FILE 'MEDLINE, CAPLUS, BIOSIS' ENTERED AT 13:52:22 ON 18 NOV 2007

L1 3 S POLYMERASE(P)LUCIFERASE(P)PRIMER(P)TEMPERATURE
L2 1 S POLYMERASE(P)LUCIFERASE(P)PRIMER AND THERMOSTABLE